

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120721\
 Data File : VY007004.D
 Acq On : 07 Dec 2021 18:22
 Operator : SY/MD
 Sample : M4887-18MSD
 Misc : 5.87g/10.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EX8D0MSD

Quant Time: Dec 08 02:58:17 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\SFAMYL120721SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 08 02:54:31 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.691	114	140061	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.489	117	132688	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.428	152	80951	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.253	65	37746	11.988	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	47.960%
7) Chloroethane-d5	2.771	69	32289	13.412	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	53.640%
11) 1,1-Dichloroethene-d2	3.856	63	75057	15.447	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.800%
21) 2-Butanone-d5	6.892	46	36986	40.552	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.100%
24) Chloroform-d	7.484	84	77755	17.509	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	70.040%
26) 1,2-Dichloroethane-d4	8.148	65	46894	17.640	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	70.560%
32) Benzene-d6	8.112	84	131293	15.137	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	60.560%
36) 1,2-Dichloropropane-d6	9.124	67	50972	17.429	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	69.720%#
41) Toluene-d8	10.184	98	115744	14.457	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	57.840%
43) trans-1,3-Dichloroprop...	10.441	79	24344	17.985	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	71.960%
47) 2-Hexanone-d5	10.788	63	26561	39.518	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.040%
56) 1,1,2,2-Tetrachloroeth...	12.556	84	54693	21.849	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	87.400%
66) 1,2-Dichlorobenzene-d4	13.720	152	55202	17.737	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	70.960%#
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.918	85	23766	24.970	ug/L	98
3) Chloromethane	2.113	50	55201	23.342	ug/L	100
5) Vinyl chloride	2.259	62	88984	23.551	ug/L	96
6) Bromomethane	2.668	94	52177	23.537	ug/L	94
8) Chloroethane	2.802	64	54321	24.731	ug/L	98
9) Trichlorofluoromethane	3.131	101	59226	24.635	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	3.905	101	47899	23.473	ug/L	94
12) 1,1-Dichloroethene	3.875	96	50105	23.991	ug/L #	75
13) Acetone	3.948	43	35131	44.593	ug/L	99
14) Carbon disulfide	4.198	76	162013	24.198	ug/L	97
15) Methyl Acetate	4.478	43	39922	24.242	ug/L #	65
16) Methylene chloride	4.716	84	65197	22.347	ug/L	97
17) trans-1,2-Dichloroethene	5.222	96	54238	24.953	ug/L	99
18) Methyl tert-butyl Ether	5.222	73	111231	26.146	ug/L	99
19) 1,1-Dichloroethane	6.021	63	116478	25.395	ug/L	96
20) cis-1,2-Dichloroethene	6.990	96	61748	25.763	ug/L	95
22) 2-Butanone	6.990	43	51121	46.089	ug/L	100
23) Bromochloromethane	7.337	128	26345	25.128	ug/L	90
25) Chloroform	7.508	83	110922	25.192	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.240	62	83544	26.606	ug/L	100
29) Cyclohexane	7.789	56	103199	24.951	ug/L	98
30) 1,1,1-Trichloroethane	7.703	97	88589	24.386	ug/L	98
31) Carbon tetrachloride	7.904	117	78964	23.894	ug/L	98
33) Benzene	8.160	78	245419	24.937	ug/L	100
34) Trichloroethene	8.941	95	60069	25.264	ug/L	98
35) Methylcyclohexane	9.185	83	98627	23.748	ug/L	99
37) 1,2-Dichloropropane	9.215	63	71076	26.144	ug/L	100
38) Bromodichloromethane	9.496	83	87870	26.052	ug/L	96
39) cis-1,3-Dichloropropene	9.928	75	106077	25.823	ug/L	100
40) 4-Methyl-2-pentanone	10.075	43	116930	48.460	ug/L	99
42) Toluene	10.245	91	259247	24.942	ug/L	96
44) trans-1,3-Dichloropropene	10.465	75	98297	25.817	ug/L	99
45) 1,1,2-Trichloroethane	10.648	97	48419	25.108	ug/L	97
46) Tetrachloroethene	10.721	164	44038	24.115	ug/L	96
48) 2-Hexanone	10.831	43	80491	48.859	ug/L	99
49) Dibromochloromethane	10.983	129	55776	25.284	ug/L	93
50) 1,2-Dibromoethane	11.093	107	45322	25.076	ug/L	96
51) Chlorobenzene	11.520	112	157677	25.602	ug/L	98
52) Ethylbenzene	11.593	91	281703	24.683	ug/L	98
53) m,p-Xylene	11.702	106	103831	24.700	ug/L	99
54) o-Xylene	12.032	106	100528	25.263	ug/L	99
55) Styrene	12.044	104	177084	25.249	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.580	83	68773	26.840	ug/L	97
59) Bromoform	12.208	173	40385	24.301	ug/L	99
60) Isopropylbenzene	12.330	105	302257	24.382	ug/L	99
61) 1,2,3-Trichloropropane	12.635	75	52146	22.788	ug/L	98
62) 1,3,5-Trimethylbenzene	12.812	105	252629	25.364	ug/L	99
63) 1,2,4-Trimethylbenzene	13.123	105	261573	25.379	ug/L	98
64) 1,3-Dichlorobenzene	13.367	146	136142	23.902	ug/L	99
65) 1,4-Dichlorobenzene	13.446	146	140795	24.527	ug/L	98
67) 1,2-Dichlorobenzene	13.739	146	122734	23.755	ug/L	100
68) 1,2-Dibromo-3-chloropr...	14.354	75	10767	19.600	ug/L	97
69) 1,3,5-Trichlorobenzene	14.501	180	106559	25.496	ug/L	99
70) 1,2,4-trichlorobenzene	15.007	180	85920	24.174	ug/L	99
71) Naphthalene	15.238	128	158700	20.872	ug/L	99
72) 1,2,3-Trichlorobenzene	15.421	180	68058	20.580	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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